

In the Specification

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This application is a continuation of United States Patent Application Serial No. 10/004,225 filed 2 November 2001.

[0012] In FIG. 1 an acceleration on a mass located in a positioning containment or a simulator room **70**, such as a person setting in acceleration seat **140**, is represented by net simulator acceleration vector **180**, which varies in magnitude and varies in direction relative to simulator room **70**. The variation in magnitude is produced as a consequence of the varying angular rotation w of the rotating base **40**. The variation in direction $r2$ is produced by rotating simulator room support platform **90** relative to rotating base by causing simulator 1st angular orientation motor **50**. The variation in direction $r1$ relative to simulator room **70** is produced by causing simulator 2nd angular orientation motor **80** to rotate simulator room **70** around room rotating axis arms **100a** and **100b**.